Draft, Agenda, Objectives and List of Topics to Be Covered in Portland Harbor FS Alternatives Screening Check-in Meeting

Summary Agenda

Day 1 –

- Quick Overview of Comprehensive Alternatives Selection Process
- Morning, Review FS Tools - PRG, AOPC, and SMA development, Water COCs, Mitigation
- Afternoon, Review FS Tools - MNR, Capping, Dredging, Disposal, Treatment

Day 2 –

- Morning, Technology Screening by SMA
- Afternoon, Comprehensive Alternative Selection

Objectives

The primary objective of the check-in meeting is to obtain EPA agreement on limited set of comprehensive alternatives to be evaluated in detail in the draft FS. Consistent with this, supporting objectives include:

- Obtaining agreement on the key tools supporting the alternative screening using effectiveness, cost, and implementability criteria (e.g., SMA development, chemical mobility evaluations, MNR modeling, cost estimating, etc.)
- Obtaining agreement on an appropriate set of remedial technologies that should be included in comprehensive alternatives development by SMA
- Obtaining EPA input on specific combinations of technology options that EPA would like to specifically see within the range of comprehensive alternatives.

Topics

1. PRG Refinements
    a. PRG Uncertainty
2. AOPC Refinements
    a. Maintenance Dredge and Erosion Analysis (i.e., potentially exposed subsurface contamination)
    b. Benthic Toxicity AOPCs (Methods and Results)
    c. Chemical Fate Model Hill Top Replacement Values
    d. Comparison to Risk Assessments
    e. Comparison to Current or Likely Future Exposures
    f. Other Mapping Issues (e.g., data density, quality)
    g. Analysis of Focused PRGs Coverage of Other COC Risks
    h. Analysis of Potential Active Remedy Areas with Site-wide AOPC
    i. Description and Contents of Site-Wide AOPC
3. SMA Development
    a. Principal Threat and Hot Spot Determination and Areas
    b. subSMA Development
    c. Depth and Volume Determinations
        i. Application of PRGs to Subsurface Sediments

        ii. Overdredge/constructability
    d. Navigation Depth Assumptions
4. Surface Water/TZW COC Identification
    a. Risk uncertainty analysis COCs
    b. FS ARAR Screening COCs
5. Mitigation Requirements Determination
6. MNR/Recontamination Evaluation Results
    a. Modeling
    b. Relationship to Background Uncertainty
    c. Other LOEs
    d. Monitoring Costing Approach
7. Capping Evaluations
    a. Long Term Chemical Isolation Evaluations for Capping/CDFs/CADs
        i. Review of EPA Directed Analysis
        ii. LWG Proposed Analysis
        iii. Considerations for Groundwater Discharge Areas
    b. Cap Armor Requirements (from erosion analysis)
    c. Flood Analysis Results (including a CDF site)
    d. Navigation Issues
    e. Site Constraint Issues
    f. Costing Approach
8. Dredging Evaluations
    a. Short Term Water Quality
    b. Barrier Control Determinations
    c. Slope Stability
    d. Site Uses (Docks, Nav. Requirements, etc.)
    e. Site Constraint Issues
    f. Costing Approach
9. Disposal Sites Development
    a. Identify Sites and Any Further Screening
    b. Design Concepts for CDFs/CADs in FS
    c. Conceptual Review of CDF/CAD Against EPA Performance Standards (fatal flaw analysis only)
    d. Costing Approach
10. Treatment
    a. Review of Past Screening and Any Updates
    b. Treatability Considerations (Matching Site Chemical, Physical, and Volume Conditions to Treatment Options)
    c. Costing Approach
11. General Response Actions/Technology Identification
12. Technology Screening by SMA
    a. Key Cost Assumptions (applicable to all technologies)
        i. Ranges, Contingency, NPV
        ii. Mitigation
        iii. Monitoring
    b. Capping

c. Dredging/Disposal
d. Treatment
e. MNR

13. Comprehensive Alternative Development and Screening